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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [Extracting usability information from user interface events](#)

David M. Hilbert, David F. Redmiles

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4Full text available: [pdf\(1.50 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Modern window-based user interface systems generate user interface events as natural products of their normal operation. Because such events can be automatically captured and because they indicate user behavior with respect to an application's user interface, they have long been regarded as a potentially fruitful source of information regarding application usage and usability. However, because user interface events are typically voluminous and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interface event monitoring

2 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**Full text available: [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 [Power awareness: A docked-aware storage architecture for mobile computing](#)

Christopher R. LaRosa, Mark W. Bailey

April 2004 **Proceedings of the first conference on computing frontiers on Computing frontiers**Full text available: [pdf\(179.38 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We explore how the power-abundant docked state of mobile devices can be exploited to reduce power consumption during mobile operation and expand the capabilities of portable